



IFWO

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/812,646

DATE: 09/14/2004

TIME: 10:17:54

Input Set : A:\PTO.LM.TXT

Output Set: N:\CRF4\09142004\J812646.raw

3 &lt;110&gt; APPLICANT: Liew, Choong-Chin

5 <120> TITLE OF INVENTION: Method for the Detection of Hypertension Related Gene  
Transcripts in

6 Blood

8 &lt;130&gt; FILE REFERENCE: 4231/2055F

10 &lt;140&gt; CURRENT APPLICATION NUMBER: 10/812,646

11 &lt;141&gt; CURRENT FILING DATE: 2004-3-30

13 &lt;150&gt; PRIOR APPLICATION NUMBER: US 10/802,875

14 &lt;151&gt; PRIOR FILING DATE: 2004-03-12

16 &lt;150&gt; PRIOR APPLICATION NUMBER: US 10/601,518

17 &lt;151&gt; PRIOR FILING DATE: 2003-06-20

19 &lt;150&gt; PRIOR APPLICATION NUMBER: US 10/268,730

20 &lt;151&gt; PRIOR FILING DATE: 2002-10-09

22 &lt;150&gt; PRIOR APPLICATION NUMBER: US 10/085,783

23 &lt;151&gt; PRIOR FILING DATE: 2002-02-28

25 &lt;150&gt; PRIOR APPLICATION NUMBER: US 09/477,148

26 &lt;151&gt; PRIOR FILING DATE: 2000-01-04

28 &lt;150&gt; PRIOR APPLICATION NUMBER: US 60/271,955

29 &lt;151&gt; PRIOR FILING DATE: 2001-02-28

31 &lt;150&gt; PRIOR APPLICATION NUMBER: US 60/305,340

32 &lt;151&gt; PRIOR FILING DATE: 2001-07-13

34 &lt;150&gt; PRIOR APPLICATION NUMBER: US 60/275,017

35 &lt;151&gt; PRIOR FILING DATE: 2001-03-12

37 &lt;150&gt; PRIOR APPLICATION NUMBER: US 60/115,125

38 &lt;151&gt; PRIOR FILING DATE: 1999-01-06

40 &lt;160&gt; NUMBER OF SEQ ID NOS: 112

42 &lt;170&gt; SOFTWARE: PatentIn version 3.2

44 &lt;210&gt; SEQ ID NO: 1

45 &lt;211&gt; LENGTH: 110

46 &lt;212&gt; TYPE: DNA

47 &lt;213&gt; ORGANISM: Human

49 &lt;400&gt; SEQUENCE: 1

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52 tgtcaattca ttccggtttac agccccattg ggtgtcaaatt tttttttgtt 110

55 &lt;210&gt; SEQ ID NO: 2

56 &lt;211&gt; LENGTH: 530

57 &lt;212&gt; TYPE: DNA

58 &lt;213&gt; ORGANISM: Human

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62 &lt;221&gt; NAME/KEY: misc\_feature

63 &lt;222&gt; LOCATION: (16)..(16)

64 &lt;223&gt; OTHER INFORMATION: n is a, c, g, or t

66 &lt;220&gt; FEATURE:

67 &lt;221&gt; NAME/KEY: misc\_feature



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Input Set : A:\PTO.LM.TXT

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128 <222> LOCATION: (121)..(121)

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Input Set : A:\PTO.LM.TXT

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189 <223> OTHER INFORMATION: n is a, c, g, or t

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Input Set : A:\PTO.LM.TXT

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229 <223> OTHER INFORMATION: n is a, c, g, or t  
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239 <223> OTHER INFORMATION: n is a, c, g, or t  
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249 <223> OTHER INFORMATION: n is a, c, g, or t  
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Input Set : A:\PTO.LM.TXT

Output Set: N:\CRF4\09142004\J812646.raw

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284 <223> OTHER INFORMATION: n is a, c, g, or t  
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288 <222> LOCATION: (377)..(377)  
289 <223> OTHER INFORMATION: n is a, c, g, or t  
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309 <223> OTHER INFORMATION: n is a, c, g, or t  
311 <220> FEATURE:  
312 <221> NAME/KEY: misc\_feature

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/812,646DATE: 09/14/2004  
TIME: 10:17:55

Input Set : A:\PTO.LM.TXT

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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:2; N Pos. 16,19,25,38,40,42,44,64,65,66,70,71,81,86,89,117,121,123,135  
Seq#:2; N Pos. 143,177,179,181,193,194,209,210,215,217,221,228,233,236,243  
Seq#:2; N Pos. 251,252,253,254,270,272,274,275,283,292,293,299,303,307,312  
Seq#:2; N Pos. 319,324,325,328,329,342,345,366,377,382,391,395,400,412,413  
Seq#:2; N Pos. 422,424,426,433,439,442,452,460,463,471,495,500,504,516  
Seq#:5; N Pos. 13,14,16,20,21,25,26,27,28,42,52,55,57,59,63,65,68,72,74,77  
Seq#:5; N Pos. 91,102,117,127,128,169,172,192,203,243,244,248,249,253,283  
Seq#:5; N Pos. 288,299,318,327,334,348,359,360  
Seq#:6; N Pos. 475,556,559,585,606,644,671,693,695,714,742,744,756,765,768  
Seq#:6; N Pos. 808,815,823,830,837  
Seq#:10; N Pos. 433,600,615,626,645,661  
Seq#:14; N Pos. 6,15,37,38,47,56,57,94,127,155,157  
Seq#:16; N Pos. 5,15,39,47,52,69,154,207,217  
Seq#:17; N Pos. 18,19,27,47,66,76,82,108,133,162,210,260,276  
Seq#:19; N Pos. 17,40,59,76,107,165,189,216,221,230  
Seq#:21; N Pos. 17,23,28,36,41,44,53,59,62,67,70,71,74,76,79,83,84,86,97  
Seq#:22; N Pos. 2,17,37,52,53,56,77,85,89,96  
Seq#:23; N Pos. 17,19,27,28,29,37,38,46,49,65,72  
Seq#:24; N Pos. 5,13,71,88,91,109,157,177,199,207,211  
Seq#:26; N Pos. 299,333,353,410,411,460,474,479  
Seq#:27; N Pos. 348,422,435,476,490  
Seq#:28; N Pos. 18,47,59,74,138,174,176,211  
Seq#:29; N Pos. 1,2,12,29,34  
Seq#:30; N Pos. 3,4,5,6,8,13,15,20,27,32,33,40,49,50,57,63,67,69,76,78,87  
Seq#:30; N Pos. 89  
Seq#:31; N Pos. 12,26,46,49,55,60,63,69,70,73,79,92,96  
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Seq#:33; N Pos. 5,12,28,32,38,44,57,68,76,82,92  
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Seq#:35; N Pos. 21,22,28,32,65,67,68,70,77,83,92  
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Seq#:38; N Pos. 2,10,61,63,72,79  
Seq#:39; N Pos. 5,7,8,10,15,16,20,24,71  
Seq#:40; N Pos. 80,91  
Seq#:42; N Pos. 14,31,36,63,73,93,98  
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Seq#:47; N Pos. 7,8,17,23,33,42,47,48,52,55,60,62,66,70,71,74,84,86,87,96  
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RAW SEQUENCE LISTING ERROR SUMMARY  
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Seq#:52; N Pos. 13,14,17,20,22,27,29,31,36,43,46,58,59,74,78,81,85,87,88,90  
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Seq#:52; N Pos. 555,561,568,573,584,589,598,605,612,618,633,647,653,654,664  
Seq#:52; N Pos. 679,689,695,698,711,720  
Seq#:53; N Pos. 13,15,37,42,44,45,50,57,58,59,70,74,80  
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Seq#:56; N Pos. 4  
Seq#:69; N Pos. 356  
Seq#:70; N Pos. 26  
Seq#:71; N Pos. 5,19,29,38,42,45,49,61,77,79,88,90,100,110  
Seq#:72; N Pos. 151  
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Seq#:74; N Pos. 31,32,57  
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Seq#:77; N Pos. 6,11  
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**RAW SEQUENCE LISTING ERROR SUMMARY**  
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Input Set : A:\PTO.LM.TXT

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Seq#:96; N Pos. 786,788,798

Seq#:98; N Pos. 17

Seq#:99; N Pos. 8,361

Seq#:100; N Pos. 8,39,50,56,71,72,97,110,177

Seq#:101; N Pos. 121



## VERIFICATION SUMMARY

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Input Set : A:\PTO.LM.TXT

Output Set: N:\CRF4\09142004\J812646.raw

L:11 M:256 W: Invalid Numeric Header Field, Wrong Current FILING DATE:YYYY-MM-DD

L:387 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0

L:389 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:60

L:391 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:120

L:393 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:180

L:395 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:240

L:397 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:300

L:399 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:360

L:401 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:420

L:403 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:480

L:611 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0

L:613 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:60

L:615 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:120

L:617 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:180

L:619 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:240

L:621 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:300

L:747 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:420

L:751 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:540

L:753 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:600

L:755 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:660

L:757 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:720

L:759 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:780

L:856 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:420

L:860 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:540

L:862 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:600

L:864 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:660

L:964 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0

L:966 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:60

L:968 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:120

L:1046 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0

L:1048 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:60

L:1050 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:120

L:1052 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:180

L:1122 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:0

L:1124 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:60

L:1126 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:120

L:1128 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:180

L:1130 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:240

L:1213 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:0

L:1215 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:60

L:1217 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:120

L:1219 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:180

L:1331 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:0

L:1333 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:60

L:1388 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:0

L:1390 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:60

L:1440 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:0

L:1442 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:60

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L:1507 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:0  
L:1509 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:60  
L:1511 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:120  
L:1513 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:180  
L:1585 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:240  
L:1587 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:300  
L:1589 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:360  
L:1591 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:420  
L:1638 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:300  
L:1642 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:420  
L:1644 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:480  
L:1694 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:0  
L:1696 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:60  
L:1698 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:120  
L:1700 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:180  
L:1730 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29 after pos.:0  
L:1827 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30 after pos.:0  
L:1829 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30 after pos.:60  
L:1899 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31 after pos.:0  
L:1901 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31 after pos.:60  
L:1971 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32 after pos.:0  
L:1973 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32 after pos.:60  
L:2038 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:0  
L:2040 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:60  
L:2115 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34 after pos.:0  
L:2117 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34 after pos.:60  
L:2172 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35 after pos.:0  
L:2174 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35 after pos.:60  
L:2239 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36 after pos.:0  
L:2241 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36 after pos.:60  
L:2318 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37 after pos.:0  
L:2320 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37 after pos.:60  
L:2322 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37 after pos.:120  
L:2362 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38 after pos.:0  
L:2364 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38 after pos.:60  
L:2409 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39 after pos.:0  
L:2411 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39 after pos.:60  
L:2433 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:60  
L:2497 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42 after pos.:0  
L:2499 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42 after pos.:60  
L:2594 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:44 after pos.:0  
L:2596 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:44 after pos.:60  
L:2666 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45 after pos.:0  
L:2668 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45 after pos.:60  
L:2685 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46 after pos.:60  
L:2780 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47 after pos.:0  
L:2782 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47 after pos.:60  
L:2862 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48 after pos.:0  
L:2864 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48 after pos.:60

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L:2944 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49 after pos.:0  
L:2948 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49 after pos.:120  
L:2950 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49 after pos.:180  
L:2952 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49 after pos.:240  
L:2954 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49 after pos.:300  
L:2956 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49 after pos.:360  
L:2958 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49 after pos.:420  
L:3318 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:50 after pos.:0  
L:3320 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:50 after pos.:60  
L:3322 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:50 after pos.:120  
L:3324 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:50 after pos.:180  
L:3326 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:50 after pos.:240  
L:3328 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:50 after pos.:300  
L:3330 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:50 after pos.:360  
L:3332 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:50 after pos.:420  
L:3422 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51 after pos.:0  
L:3424 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51 after pos.:60  
L:3428 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51 after pos.:180  
L:3430 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51 after pos.:240  
L:3432 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51 after pos.:300  
L:3436 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51 after pos.:420  
L:3900 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:52 after pos.:0  
L:3902 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:52 after pos.:60  
L:3904 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:52 after pos.:120  
L:3906 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:52 after pos.:180  
L:3908 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:52 after pos.:240  
L:3910 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:52 after pos.:300  
L:3912 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:52 after pos.:360  
L:3914 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:52 after pos.:420  
L:3916 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:52 after pos.:480  
L:3918 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:52 after pos.:540  
L:3920 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:52 after pos.:600  
L:3922 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:52 after pos.:660  
L:3984 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:53 after pos.:0  
L:3986 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:53 after pos.:60  
L:4061 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55 after pos.:0  
L:4063 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55 after pos.:60  
L:4065 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55 after pos.:120  
L:4080 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:56 after pos.:0  
L:4339 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:69 after pos.:300  
L:4356 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:70 after pos.:0  
L:4452 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:71 after pos.:0  
L:4454 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:71 after pos.:60  
L:4475 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:72 after pos.:120  
L:4510 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:73 after pos.:0  
L:4516 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:73 after pos.:180  
L:4546 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:74 after pos.:0  
L:4617 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:76 after pos.:0  
L:4619 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:76 after pos.:60

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L:4649 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:77 after pos.:0  
L:4742 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:78 after pos.:0  
L:4744 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:78 after pos.:60  
L:4746 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:78 after pos.:120  
L:4794 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:79 after pos.:0  
L:4796 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:79 after pos.:60  
L:4878 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:80 after pos.:0  
L:4880 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:80 after pos.:60  
L:4882 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:80 after pos.:120  
L:4884 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:80 after pos.:180  
L:4909 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:81 after pos.:0  
L:4968 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:82 after pos.:0  
L:4970 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:82 after pos.:60  
L:4972 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:82 after pos.:120  
L:5002 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:83 after pos.:0  
L:5021 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:84 after pos.:0  
L:5167 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:89 after pos.:0  
L:5169 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:89 after pos.:60  
L:5171 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:89 after pos.:120  
L:5173 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:89 after pos.:180  
L:5227 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:91 after pos.:300  
L:5249 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:92 after pos.:0  
L:5671 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:94 after pos.:0  
L:5673 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:94 after pos.:60  
L:5675 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:94 after pos.:120  
L:5677 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:94 after pos.:180  
L:5679 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:94 after pos.:240  
L:5681 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:94 after pos.:300  
L:5683 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:94 after pos.:360  
L:5685 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:94 after pos.:420  
L:5687 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:94 after pos.:480  
L:5982 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:95 after pos.:0  
L:5984 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:95 after pos.:60  
L:5986 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:95 after pos.:120  
L:5988 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:95 after pos.:180  
L:5990 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:95 after pos.:240  
L:5992 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:95 after pos.:300  
L:5994 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:95 after pos.:360  
L:6088 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:96 after pos.:120  
L:6104 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:96 after pos.:600  
L:6106 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:96 after pos.:660  
L:6108 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:96 after pos.:720  
L:6110 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:96 after pos.:780  
L:6144 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:98 after pos.:0  
L:6166 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:99 after pos.:0  
L:6178 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:99 after pos.:360  
L:6232 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:100 after pos.:0  
L:6234 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:100 after pos.:60  
L:6236 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:100 after pos.:120

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L:6263 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:101 after pos.:120